

## II. Listing of Claims

Please amend the claims as follows:

1. (Currently Amended) A pedestrian detection system ~~provided on~~ for a motor vehicle, ~~the motor vehicle~~ having a hood ~~or bonnet~~ generally extending from the front of the vehicle to a windshield of the vehicle, the detection system comprising: a first sensor arrangement located more than 0.5 metres behind the front end of the vehicle to detect at least one of the speed ~~of and/or~~ and the distance to a part of an object which may include a pedestrian located in front of the vehicle, the ~~said~~ part of the object ~~being part of the object~~ extending above a predetermined height, the predetermined height being at least the height of ~~the~~ a front edge of the hood ~~or bonnet~~; and a second sensor arrangement ~~comprising a sensor mounted in the~~ at the front bumper or fender of the vehicle responsive to an impact of the vehicle with ~~an object~~ a pedestrian.
2. (Currently Amended) A system according to Claim 1 wherein the first sensor arrangement is a microwave radar sensor.
3. (Currently Amended) A system according to Claim 1 wherein the first sensor arrangement is an infra-red radar sensor.
4. (Original) A system according to Claim 1 wherein the first sensor arrangement is a camera.

5. (Original) A system according to Claim 4 wherein the camera operates in the visible spectrum.
6. (Original) A system according to Claim 4 in which the camera operates in the infra-red spectrum.
7. (Original) A system according to Claim 1 wherein the first sensor arrangement is a stereo-camera arrangement.
8. (Currently Amended) A system according to ~~any one of the preceding Claims~~ Claim 1 wherein the first sensor arrangement is mounted on the exterior of the vehicle in front of ~~a windscreen or the~~ windshield provided on the vehicle.
9. (Currently Amended) A system according to ~~any one of Claims 1 to 7~~ Claim 1 wherein the first sensor arrangement is mounted on the vehicle behind the ~~windscreen or windshield of the vehicle.~~
10. (Currently Amended) A system according to ~~any one of Claims 1 to 7~~ Claim 1 wherein the first sensor arrangement is mounted above the ~~windscreen~~ windshield.

11. (Currently Amended) A system according to ~~any one of the preceding Claims~~ Claim 1 wherein ~~a pedestrian protection arrangement is provided~~, the detection system being configured to activate ~~the~~ a pedestrian arrangement device in response to the first sensor arrangement detecting at least one of the distance below a threshold ~~and/or~~ and a speed above a threshold.

12. (Currently Amended) A system according to Claim 11, wherein the threshold distance is less than the distance between the first sensor arrangement and the front of the vehicle.

13. (Currently Amended) A system according to ~~any one of the preceding Claims~~ Claim 1 wherein the second sensor arrangement ~~further~~ includes an accelerometer.

14. (Currently Amended) A system according to Claim 13, wherein the accelerometer is configured to provide a signal indicative of a crash situation and wherein, upon receipt of ~~said~~ the signal, an internal safety device on the vehicle is actuated.

15. (Currently Amended) A system according to ~~any one of the preceding Claims~~ Claim 1 wherein the sensor mounted in at the front bumper of the vehicle is a contact sensor.

16. (Currently Amended) A system according to ~~any one of the preceding Claims~~ Claim 1 wherein the second sensor arrangement is a sensor that can discriminate objects lighter than a pedestrian.

17. (Currently Amended) A system according to ~~any one of the preceding Claims~~ Claim 11 wherein the pedestrian ~~protection~~ arrangement is activated only if the first sensor arrangement detects at least one of a distance to the object below a threshold ~~and/or~~ and a speed above a threshold, and also in the event the second sensor arrangement detects an object.

18. (Currently Amended) A system according to ~~any one of the preceding Claims~~ Claim 11 wherein the pedestrian protection arrangement has at least two modes of activation.

19. (Original) A system according to Claim 18 wherein the pedestrian protection arrangement system incorporates at least two pedestrian protection devices.

20. (Currently Amended) A system according to Claim 18 wherein the pedestrian protection arrangement incorporates a first lifter to lift the a front part of the hood-~~or~~ ~~bonnet~~, and a second lifter to lift the a rear part of the hood-~~or~~ ~~bonnet~~, one mode of activation being the lifting of the front part of the hood-~~or~~ ~~bonnet~~, and a second mode of operation including additionally the lifting of the a rear part of the hood-~~or~~ ~~bonnet~~.

21. (Currently Amended) A system according to ~~any one of Claims 18 to 20~~ Claim 18 wherein the pedestrian protection arrangement includes a mechanism to lift the rear part of the hood or bonnet, and at least one air-bag to cover part of the ~~windscreen and/or part~~ windshield or a portion of ~~an A-Pillars~~ A-Pillar provided on the vehicle, one mode of activation comprising the lifting of only the rear part of the ~~hood or bonnet~~, the second mode including additionally the activation of at least one ~~air-bag of the air-bags~~.

22. (Currently Amended) A system according to ~~any one of Claims 18 to 20~~ Claim 18 wherein different modes are activated in response to a signal dependent on the first sensor arrangement reaching different thresholds.

23. (Currently Amended) A system according to Claim 22 wherein at least one of ~~said~~ the different thresholds is dependent upon the ~~vehicle speed~~ of the vehicle as measured by a third sensor arrangement.